

LIQUID MATERIAL DISPENSING APPARATUS AND METHOD UTILIZING PULSED PRESSURIZED AIR

Abstract of the Disclosure

An apparatus for dispensing liquid material includes a dispensing module having a liquid supply passage communicating with a supply of liquid material and an air supply passage communicating with a source of pressurized air. A nozzle is coupled to the dispensing module and has a liquid discharge passage and an air discharge passage communicating with the liquid supply passage and the air supply passage, respectively. The liquid material is dispensed from a liquid discharge outlet of the nozzle and pressurized air is directed from an air outlet of the nozzle toward the dispensed liquid material. An air valve coupled to the nozzle is operable to vary the pressure of the air discharged from the air outlet to thereby move the liquid material in a desired pattern. In an exemplary embodiment, the valve is operable to pulse the pressurized air.